

**STATEMENT OF WORK**  
**REPLACE STATION-WIDE WATER SOFTENER SYSTEM**

**1. GENERAL REQUIREMENTS:** The work consists of providing all labor, materials, and equipment as required for complete removal of existing Water Softener System and installation of new Water Softener System with 25% greater flow and capacity as specified in this Statement of Work. The place of performance is 1970 Roanoke Blvd., Building 13, Salem, VA 24153.

**2. COMMENCEMENT, PROSECUTION AND COMPLETION OF WORK:** The contractor shall commence work NLT eight (8) weeks after notice to proceed and work diligently to complete the entire work ready for use by ten (10) weeks after contract award. Provisions must be made for maintaining the supply of softened water to areas requiring soft water during installation of the new system, with minimal downtime for transition to the new system.

**3. SCOPE OF WORK:**

3.1. Provide all labor and materials necessary for complete removal of existing water softener system and provide a new water softening system meeting all salient characteristics of the solicitation.

3.1.1. Vertical pressure type water softener system complete with pressure vessel, softening resin, control valve, brine maker and electronic controller. The system will be of an approved design as fabricated by a manufacturer regularly engaged in the production of water treatment equipment. All equipment and material will be supplied in compliance with the specifications as intended for a complete and operational system.

3.1.2. Qualified manufacturers of water softener equipment must have been engaged in the manufacture of this equipment for a period of not less than fifteen (15) years.

3.1.3. The brand name or equal system is the Culligan HS-2004-Hi Flo 50 water softener system, configured as Triplex Progressive/Water Meter/Demand. Salient characteristics are provided in the solicitation/contract.

3.1.4. In addition, the following requirements shall be met:

3.1.4.1. The system must be skid-mounted in (2) sections with all interconnecting piping complete and flanges between the (2) sections.

3.1.4.2. The system must automatically send a signal to fill when regeneration is completed.

3.1.4.3. The system must include a remote monitor/radio frequency (RF) monitor for each unit to be located in the boiler room.

3.1.4.5. A temporary softener trailer shall be provided in the form of a tractor-trailer with softener and hoses for connection to plumbing. Must have a capacity of up to 600-gpm.

3.1.4.6. The contractor shall provide water testing equipment.

3.1.4.7. The contractor shall provide a qualified manufacturer's representative to check complete installation for conformance to manufacturer's recommendation, to place the system into service, to make all adjustments required for full

conformance to design and specified requirements and to perform all demonstrations and testing.

3.1.4.9. The contractor shall flush and disinfect new water lines and softener interiors in accordance with AWWA C651.

3.1.4.10. An operating test shall be run in the presence of the Contracting Officer's Representative (COR).

3.1.4.11. The contractor shall provide Commissioning documentation.

3.1.4.12. The contractor shall provide demonstration and training to VA personnel.

**4. WORK OUTSIDE REGULAR HOURS:** If the contractor desires to carry on work on Saturday, Sunday, holidays or outside the station's regular hours, it may submit a request in writing to the Contracting Officer's Representative for approval consideration. The contractor shall allow ample time to enable satisfactory arrangements to be made by the Government for inspecting the work in progress. Demand for softened water will generally be lower outside of normal duty hours.